COE 197 ME08: DOCKER

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3. Building Images

```
PS C:\Users\Jalen> docker images
REPOSITORY      TAG       IMAGE ID       CREATED         SIZE
brogelio/ping   latest    83c7ce3d5bf2   3 minutes ago   170MB
ubuntu          16.04     9ff95a467e45   4 weeks ago     135MB
PS C:\Users\Jalen> docker rmi 83c7
Untagged: brogelio/ping:latest
Deleted: sha256:83c7ce3d5bf27fc2bce1473427a4a95ee87e2c5421d818572470d47a27a4831b
Deleted: sha256:a9a09645e677de36d2c4c626a99e140932aa9180ced69ef89d264a1608ff38fe
PS C:\Users\Jalen> docker images
REPOSITORY   TAG       IMAGE ID       CREATED       SIZE
ubuntu       16.04     9ff95a467e45   4 weeks ago   135MB
```

```
PS C:\Users\Jalen\Documents\[Git]\ME8_Containerization_and_Docker\3-building_images> docker build -t 'brogelio/ping' .
[+] Building 75.1s (6/6) FINISHED
 => [internal] load build definition from Dockerfile                                                                0.1s
 => => transferring dockerfile: 360B                                                                                0.0s
 => [internal] load .dockerignore                                                                                   0.1s
 => => transferring context: 2B                                                                                     0.0s
 => [internal] load metadata for docker.io/library/ubuntu:16.04                                                     0.0s
 => [1/2] FROM docker.io/library/ubuntu:16.04                                                                       0.2s
 => [2/2] RUN apt-get update     && apt-get install -y iputils-ping     && apt-get clean     && cd /var/lib/apt/lists  74.6s
 => exporting to image                                                                                              0.1s
 => => exporting layers                                                                                             0.1s
 => => writing image sha256:fee09f9cf71deefea68089f95b0ed7e29592ee84952f46bf9b5e48cdaae2c722                        0.0s
 => => naming to docker.io/brogelio/ping                                                                            0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Jalen\Documents\[Git]\ME8_Containerization_and_Docker\3-building_images>




                                                                    docker build -t 'brogelio/ping' .
[+] Building 0.3s (6/6) FINISHED
 => [internal] load build definition from Dockerfile                                                                0.1s
 => => transferring dockerfile: 32B                                                                                 0.0s
 => [internal] load .dockerignore                                                                                   0.1s
 => => transferring context: 2B                                                                                     0.0s
 => [internal] load metadata for docker.io/library/ubuntu:16.04                                                     0.0s
 => [1/2] FROM docker.io/library/ubuntu:16.04                                                                       0.0s
 => CACHED [2/2] RUN apt-get update     && apt-get install -y iputils-ping     && apt-get clean     && cd /var/lib/apt  0.0s
 => exporting to image                                                                                              0.1s
 => => exporting layers                                                                                             0.0s
 => => writing image sha256:fee09f9cf71deefea68089f95b0ed7e29592ee84952f46bf9b5e48cdaae2c722                        0.0s
 => => naming to docker.io/brogelio/ping                                                                            0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Jalen\Documents\[Git]\ME8_Containerization_and_Docker\3-building_images> docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
brogelio/ping   latest    fee09f9cf71d   10 minutes ago   139MB
ubuntu          16.04     9ff95a467e45   4 weeks ago      135MB
PS C:\Users\Jalen\Documents\[Git]\ME8_Containerization_and_Docker\3-building_images>
```

```
PS C:\Users\Jalen\Documents\[Git]\ME8_Containerization_and_Docker\3-building_images> docker run -it brogelio/ping
PING google.com (216.58.200.238) 56(84) bytes of data.
64 bytes from 216.58.200.238: icmp_seq=1 ttl=37 time=85.4 ms
64 bytes from 216.58.200.238: icmp_seq=2 ttl=37 time=49.1 ms
64 bytes from 216.58.200.238: icmp_seq=3 ttl=37 time=45.5 ms
^C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 45.570/60.067/85.454/18.012 ms
```